



MATHS TARGETS YEAR 5

Good

→ Great

→ Super

→ Outstanding

Addition

A3f: Decimal Jump
 $4.8 + 3.8 = 8.6$
 $\begin{array}{ccc} +3 & & +0.8 \\ \hline 4.8 & 7.8 & 8.6 \end{array}$

A3g: Decimal Jump
 $5.65 + 3.29 = 8.94$
 $\begin{array}{cccc} +3 & +0.2 & +0.09 \\ \hline 5.65 & 8.65 & 8.85 & 8.94 \end{array}$

A7d: Column Addition
 $4873 + 3762 = 8635$

A7e: Column Addition
 $787567 + 446278 = 1233845$

A7f: Column Addition
 $4.8 + 3.8 = 8.6$

A7h: Column Addition
 $76.7 + 58.5 = 135.2$

A7j: Column Addition
 $73.4 + 5.67 = 79.07$
 $73.4 + 5.67 = 79.07$

A4f: Partitioning
 $4.8 + 3.8 = 8.6$
 $4 + 3 = 7$
 $0.8 + 0.8 = 1.6$
 8.6

A5f: Partition Jot
 $4.8 + 3.8 = 8.6$
 $4 + 3 = 7$
 $0.8 + 0.8 = 1.6$
 $7 + 1.6$

A5g: Partition Jot
 $5.65 + 3.29 = 8.94$
 $5 + 3 = 8$
 $0.65 + 0.29 = 0.94$
 $8 + 0.8 + 0.14$

A5h: Partition Jot
 $76.7 + 58.5 = 135.2$
 $7 + 5 = 12$
 $6 + 4 = 10$
 $120 + 14 + 1.2$

A5i: Partition Jot
 $\pounds 38.25 + \pounds 27.46 = \pounds 65.71$
 $\pounds 38.25 + \pounds 27.46 = \pounds 65.71$
 $\pounds 65.00 + \pounds 0.71$

A7g: Column Addition
 $5.65 + 3.29 = 8.94$

A7i: Column Addition
 $\pounds 38.25 + \pounds 27.46 = \pounds 65.71$

Subtraction

S8d: Quad Jump Extreme
 $+24 + 200 + 3000 + 42$
 $1776 + 1800 + 2000 + 5000 = 5042$
 $5042 - 1776 = 3266$

S1d: Column Subtraction
 $5042 - 1776 = 3266$

S9d: 1000s, 100s, 10s, Is Jump
 $+3000 + 200 + 60 + 6$
 $1776 + 4776 + 4976 + 5036 = 5042$
 $5042 - 1776 = 3266$

S8f: Decimal T-J!
 $+0.3 + 4 + 0.4$
 $\text{Step} \quad \text{Skip} \quad \text{Jump}$
 $8.7 \quad 9 \quad 13 \quad 13.4$

S9f: Is Jump, Tenths Jump!
 $+4 + 0.7$
 $8.7 \quad 12.7 \quad 13.4$

S11e: Column Subtraction
 $742831 - 427358 = 315473$

S11g: Column Subtraction
 $7243 - 4785 = 2458$

S11h: Column Subtraction
 $12.4 - 5.97 = 6.43$
 $12.4 - 5.97 = 6.43$

Multiplication

M5b: Grid Method
 $147 \times 4 = 588$
 $\begin{array}{r} \times 100 \ 40 \ 7 \\ \hline 4 \ 400 \ 160 \ 28 \\ \hline 400 + 160 + 28 = 588 \end{array}$

M8: Grid Method
 $43 \times 65 = 2795$
 $\begin{array}{r} \times 40 \ 3 \\ \hline 60 \ 2400 \ 180 \\ \hline 5 \ 200 \ 15 \\ \hline 2400 + 180 + 200 + 15 = 2795 \end{array}$

M8a: Grid Method
 $243 \times 68 = 16,524$
 $\begin{array}{r} \times 200 \ 40 \ 3 \\ \hline 60 \ 2400 \ 2400 \ 180 = 14,580 \\ 8 \ 1600 \ 320 \ 24 = 1,944 \\ \hline 14580 + 1944 = 16,524 \end{array}$

M8b: Grid Method
 $203 \times 68 = 13,804$
 $\begin{array}{r} \times 200 \ 0 \ 3 \\ \hline 60 \ 2000 \ 0 \ 180 = 12,180 \\ 8 \ 1600 \ 0 \ 24 = 1,624 \\ \hline 12180 + 1624 = 13,804 \end{array}$

M8c: Decimal Grid
 $3.6 \times 4 = 14.4$
 $\begin{array}{r} \times 3 \ 0.6 \\ \hline 4 \ 12 \ 2.4 \\ \hline 12 + 2.4 = 14.4 \end{array}$

M7a: Column Multiplication
 $3647 \times 4 = 14588$
 $\begin{array}{r} 3647 \\ \times 4 \\ \hline 14588 \end{array}$

M9: Long Multiplication
 $43 \times 65 = 2795$
 $\begin{array}{r} \times 65 \\ \hline 215 \quad (5 \times 43) \\ + 2580 \quad (60 \times 43) \\ \hline 2795 \end{array}$

M9a: Long Multiplication
 $243 \times 68 = 16,524$
 $\begin{array}{r} \times 68 \\ \hline 1944 \quad (8 \times 243) \\ + 14580 \quad (60 \times 243) \\ \hline 16524 \end{array}$

M9b: Long Multiplication
 $203 \times 68 = 13,804$
 $\begin{array}{r} \times 68 \\ \hline 1624 \quad (8 \times 203) \\ + 12180 \quad (60 \times 203) \\ \hline 13804 \end{array}$

M9c: Column Multiplication
 $3.6 \times 4 = 14.4$
 $\begin{array}{r} \times 3 \ 0.6 \\ \hline 4 \ 12 \ 2.4 \\ \hline 12 + 2.4 = 14.4 \end{array}$

D9c: Mega Hunk!
 $394 \div 6 = 65r4$
 $\begin{array}{r} \text{Mega} \ Hunk! \ 360 + 34 = 6 \\ \text{Chunk} \ 60 + 5r4 = 65r4 \end{array}$

D9d: Mega Hunk!
 $591 \div 3 = 197$
 $\begin{array}{r} \text{Mega} \ Hunk! \ 300 + 270 + 21 = 7 \\ \text{Chunk} \ 100 + 90 + 7 = 197 \end{array}$

D9e: Mega Hunk!
 $5978 \div 7 = 854$
 $\begin{array}{r} \text{Mega} \ Hunk! \ 5600 + 350 + 28 = 4 \\ \text{Chunk} \ 800 + 50 + 4 = 854 \end{array}$

D9f: Mega Hunk!
 $846 \div 5 = 169r1$
 $\begin{array}{r} \text{Mega} \ Hunk! \ 500 + 300 + 46 = 5 \\ \text{Chunk} \ 100 + 60 + 9r1 = 169r1 \end{array}$

D11d: Chunking
 $197 \div 3 = 65r2$
 $\begin{array}{r} \text{Mega} \ Hunk! \ 350 + 300 = 600 \\ \text{Chunk} \ 200 + 20 = 220 \\ 220 \div 3 = 74r2 \\ 74 \div 3 = 24r2 \\ 24 \div 3 = 8r2 \\ 8 \div 3 = 2r2 \\ 2 \div 3 = 0r2 \end{array}$

D11e: Chunking
 $854 \div 7 = 122r0$
 $\begin{array}{r} \text{Mega} \ Hunk! \ 5600 + 5000 = 10600 \\ \text{Chunk} \ 3780 + 2700 = 6480 \\ 6480 \div 7 = 918r0 \\ 918 \div 7 = 131r0 \\ 131 \div 7 = 18r0 \\ 18 \div 7 = 2r0 \\ 2 \div 7 = 0r0 \end{array}$

D11f: Chunking
 $169r1 \div 5 = 33r1$
 $\begin{array}{r} \text{Mega} \ Hunk! \ 500 + 300 = 800 \\ \text{Chunk} \ 346 + 300 = 646 \\ 646 \div 5 = 129r1 \\ 129 \div 5 = 25r4 \\ 25 \div 5 = 5r4 \\ 5 \div 5 = 1r4 \\ 1 \div 5 = 0r4 \end{array}$

Division

D11b: Chunking
 $394 \div 6 = 65r4$
 $\begin{array}{r} 394 \\ \times 6 \\ \hline 236 \\ - 36 \\ \hline 64 \\ - 60 \\ \hline 4 \\ - 4 \\ \hline 0 \end{array}$

D10c: Short Division
 $394 \div 6 = 65r4$
 $6 \overline{)394}$

D11c: Chunking
 $6394 \div 6 = 1065r4$
 $\begin{array}{r} 6394 \\ \times 6 \\ \hline 3694 \\ - 3600 \\ \hline 94 \\ - 60 \\ \hline 34 \\ - 30 \\ \hline 4 \\ - 4 \\ \hline 0 \end{array}$

D10d: Short Division
 $591 \div 3 = 197$
 $3 \overline{)591}$

D10e: Short Division
 $5978 \div 7 = 854$
 $7 \overline{)5978}$

D10f: Short Division
 $169.2 \div 5 = 33.84$
 $5 \overline{)846.0}$

D10g: Short Division
 $846 \div 5 = 169.2$
 $5 \overline{)169.2}$